

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:	Akinori TAIRA, et al.	Conf.:	Unassigned
Appl. No.:	New	Group:	Unassigned
Filed:	December 24, 2003	Examiner:	Unassigned
For:	DATA TRANSMISSION SYSTEM, DATA TRANSMITTER AND DATA RECEIVER USED IN THE DATA TRANSMISSION SYSTEM		

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION WITH CONTINUATION-IN-PART OR
RULE 1.53(b) CONTINUATION OR DIVISIONAL APPLICATION)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 24, 2003

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449 form(s), attached hereto.

II. REFERENCES PREVIOUSLY CITED OR SUBMITTED

Pursuant to 37 C.F.R. § 1.98(d), consideration of information listed on the PTO-1449 form(s) is requested since any patents, publications, or other information which are listed on the PTO-1449 form(s) but for which copies are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Appl. No(s)
09/097,677

U.S. Filing Date(s)
June 16, 1998

III. FEES

This Information Disclosure Statement is being filed concurrent with the filing of a continuation-in-part, continuation, or divisional patent application; therefore, no fee is required.

If the Examiner has any questions concerning this IDS or requires a copy of any of the references cited but not provided, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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By

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MKM/CJB:cb
0649-0922P

Attachment(s): ☒ PTO-1449(s)
☐ References
☐ Foreign Search Report
☐ Other:

Form PTO-1449				ATTY. DOCKET NO. 0649-0922P		APPLICATION NO. New	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				APPLICANT Akinori TAITA, et al.			
				FILING DATE December 24, 2003		GROUP Unassigned	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 5,978,428		1999-11-02	Hayashi			
	US 5,896,368		1999-04-01	Dahlman, et al.			
	US 4,004,226		1977-01-18	Qureshi, et al.			
	US 5,644,590		1997-07-01	Sugita			
	US 5,774,814		06-1998	Haas			
	US 6,018,651		01-2000	Bruckert, et al.			
	US						

FOREIGN PATENT DOCUMENTS								
Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	6447134	JP	1989-02-21	JAPAN			Abs	
	3230607	JP	1991-10-14	JAPAN			Abs	
	8298682	JP	1996-11-12	JAPAN			Abs	
	4400239		1991-08-07	EUROPE				
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	09-252273		1997-09-22	JAPAN			Abs	
	08-298682		1996-11-12	JAPAN			Abs	
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GB	2 294 610	A	1996-05-01	GREAT BRITAIN				
EP	0 624 994	A1	1994-11-17	EUROPE				

OTHER DOCUMENTS	
(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)	
	TIA/EIA/IS-139.1-A (TIA/EIA INTERIM STANDARD: TDMA Cellular/PCS-Radio Interface-Mobile Station -base Station -Compatibility-Digital Control Channel)
	Research & Development Center for Radio Systems (pp. 22-26)
	LIU, et al., "Quadilivel Periodic Sequences for Fast Start-Up Equalization and Channel Estimation" IEEE Transactions on Communications 44 (1996) February, No. 2, New Your US

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.